

CLAIMS

1. An amphibious vehicle having a body, retractable road wheels mounted to the
body and arranged to be moved from a lower road engaging position in a land
5 mode to an upper faired position in a marine mode, at least one of the wheels being
drivable by means of a wheel drive shaft connectable to a prime mover of the
vehicle, the drivable wheel(s) having a wheel transmission comprising a drive
shaft, the drive shaft comprising an inner and an outer constant velocity joint,
characterized in that the inner joint is of the fixed or non-plunging type, and the
10 outer constant velocity joint is a plunging joint.
2. An amphibious vehicle according to claim 1, where at least two wheels are
drivable by means of wheel drive shafts connectable to a prime mover of the
vehicle, the drivable wheels having wheel transmissions each comprising a drive
shaft, each drive shaft comprising an inner and an outer constant velocity joint,
15 characterized in that each inner joint is of the fixed or non-plunging type, and each
outer constant velocity joint is a plunging joint.
3. An amphibious vehicle according to claim 1 or claim 2, where a decoupler is
incorporated in at least one inner constant velocity joint.
4. An amphibious vehicle according to claim 3, where the or each decoupler
20 incorporates a synchromesh mechanism.
5. An amphibious vehicle according to any of the above claims, where the vehicle is a
planing vehicle, fitted with a transverse, mid-mounted prime mover.
6. An amphibious vehicle according to any of claims 1 to 4, where the vehicle is a
planing vehicle, fitted with a longitudinal prime mover.

7. An amphibious vehicle as herein described and as illustrated in any one or more of figures 6 to 8 of the accompanying drawings.